

COLORADO POPULATION

Presented by Jim Westkott
Colorado Demography Office
to the
Colorado Blue Ribbon Panel on Housing
December 7, 2004

Colorado Demography Office

www.dola.colorado.gov/demog

- **State Agency**

Responsible for population data needed by state agencies.

- **Department of Local Affairs**

Prepares data and information in ways that account for local perspectives, needs.

- **Public Information**

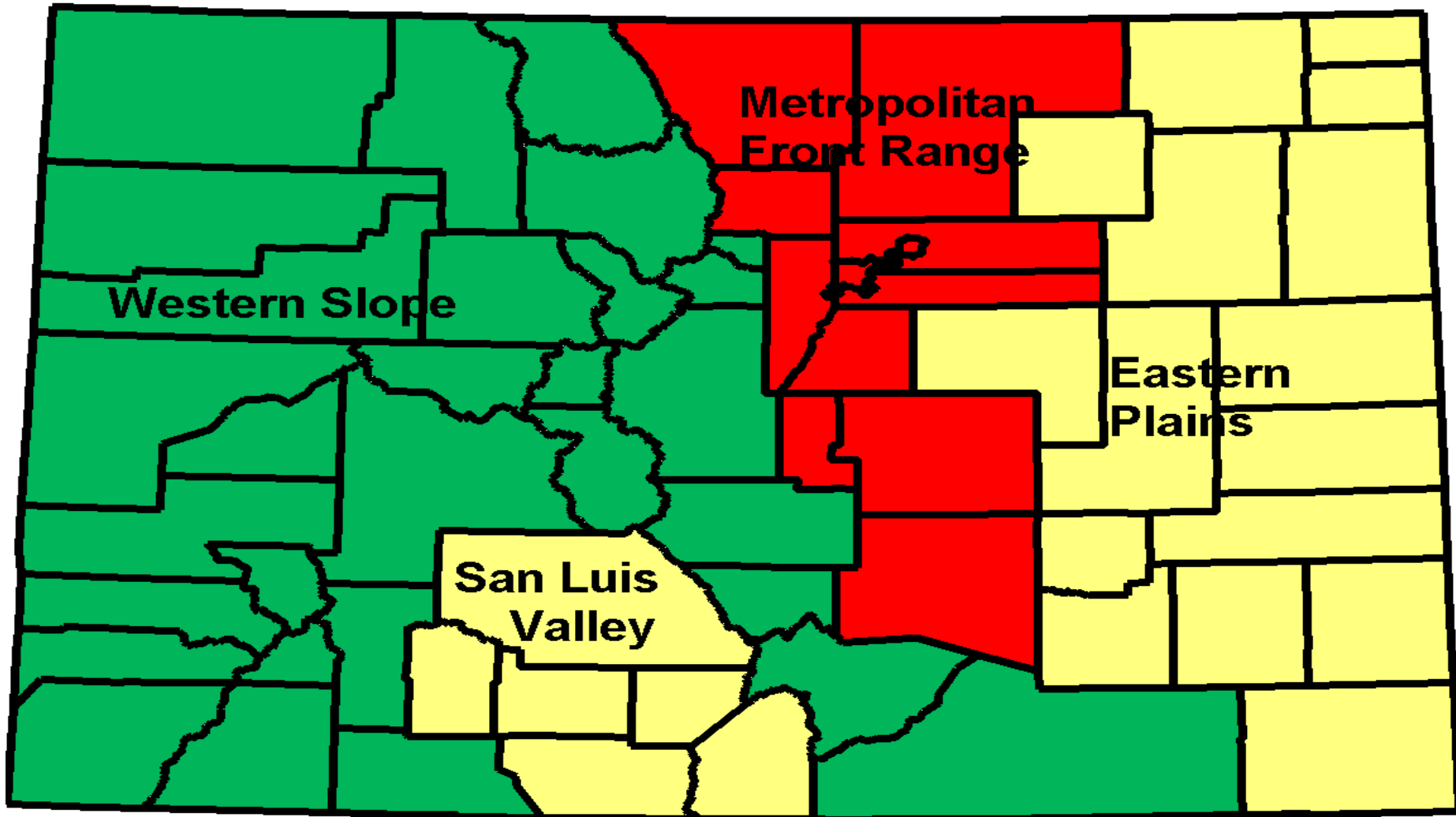
Makes data and information readily available to the public, including citizens, businesses and non-profit agencies.

INTRODUCTION to Population Data, Analysis and Forecasting

- **The subject variables are several – “social” or societal:**
 - Population: total and by age and gender
 - Households: total and by type
 - Household income: by household type, income source
 - Other: ethnicity, labor force status, language, disability
- **The methods for relating the economy to the population often involve more than one approach, perspective.**

There is more to the numbers than just the number, itself.
- Colorado best understood as not one but **several economic-social complexes.**

Colorado Sub-state Economic Areas



Metropolitan Front Range

Denver – Boulder

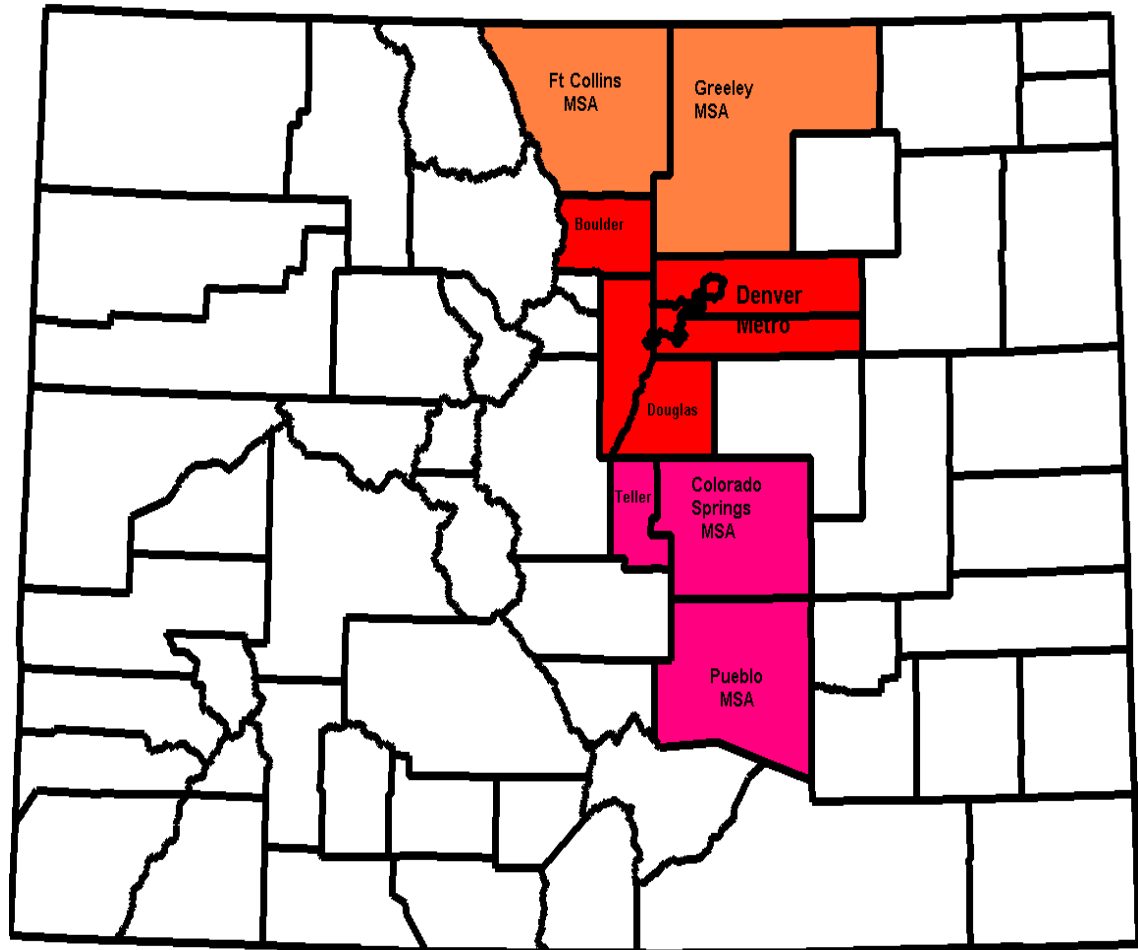
North Front Range

Ft. Collins

Greeley

Colorado Springs

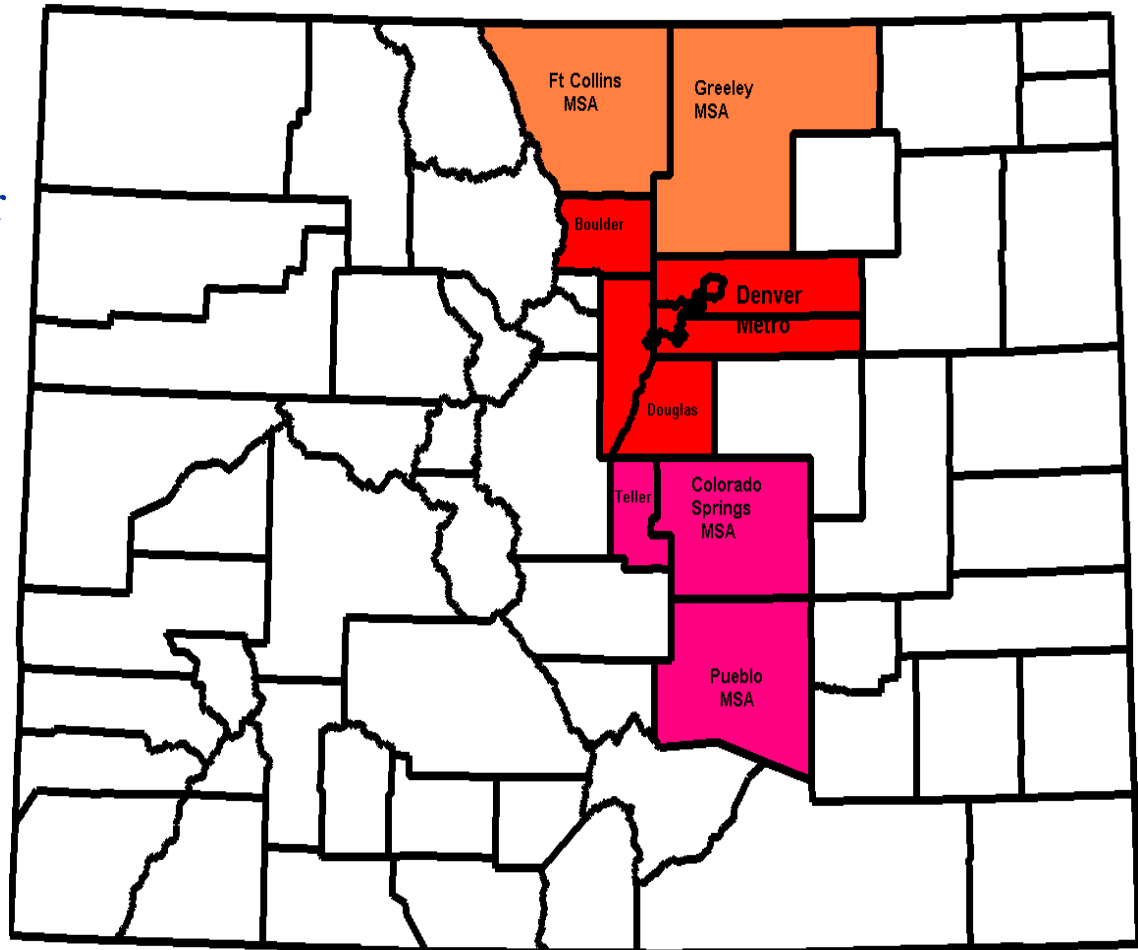
Pueblo



Metropolitan Front Range

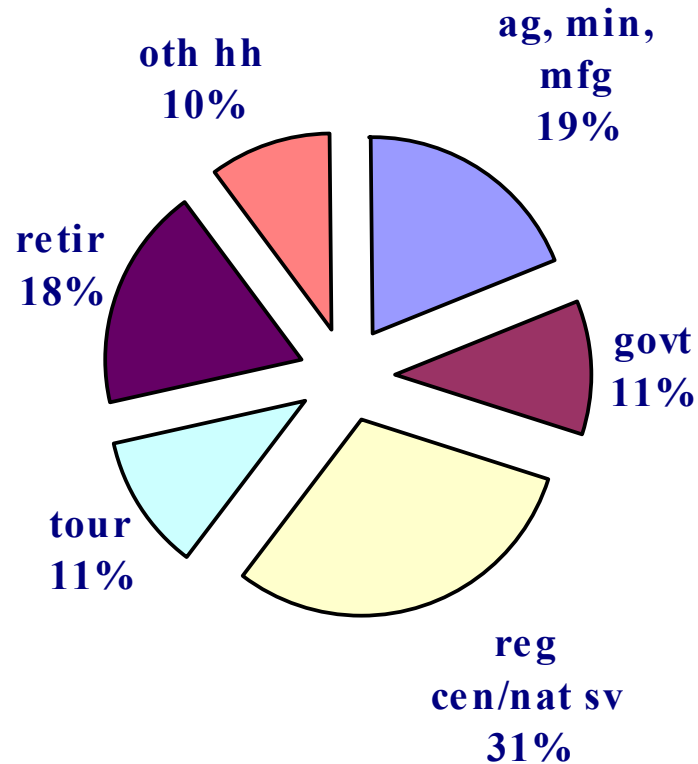
Characterization:

- Areas (MSAs) are the major industrial and regional service job centers.
- Population (migration) tends to follow changes in jobs.
- Rapid growth has led to increased costs . . . of doing business . . . of travel . . . and of housing



In Front Range, regional center/national service accounts for most basic jobs

FRONT RANGE DIRECT BASIC JOBS-2002



Western Slope and Central Mountains

Types:

Resort Counties

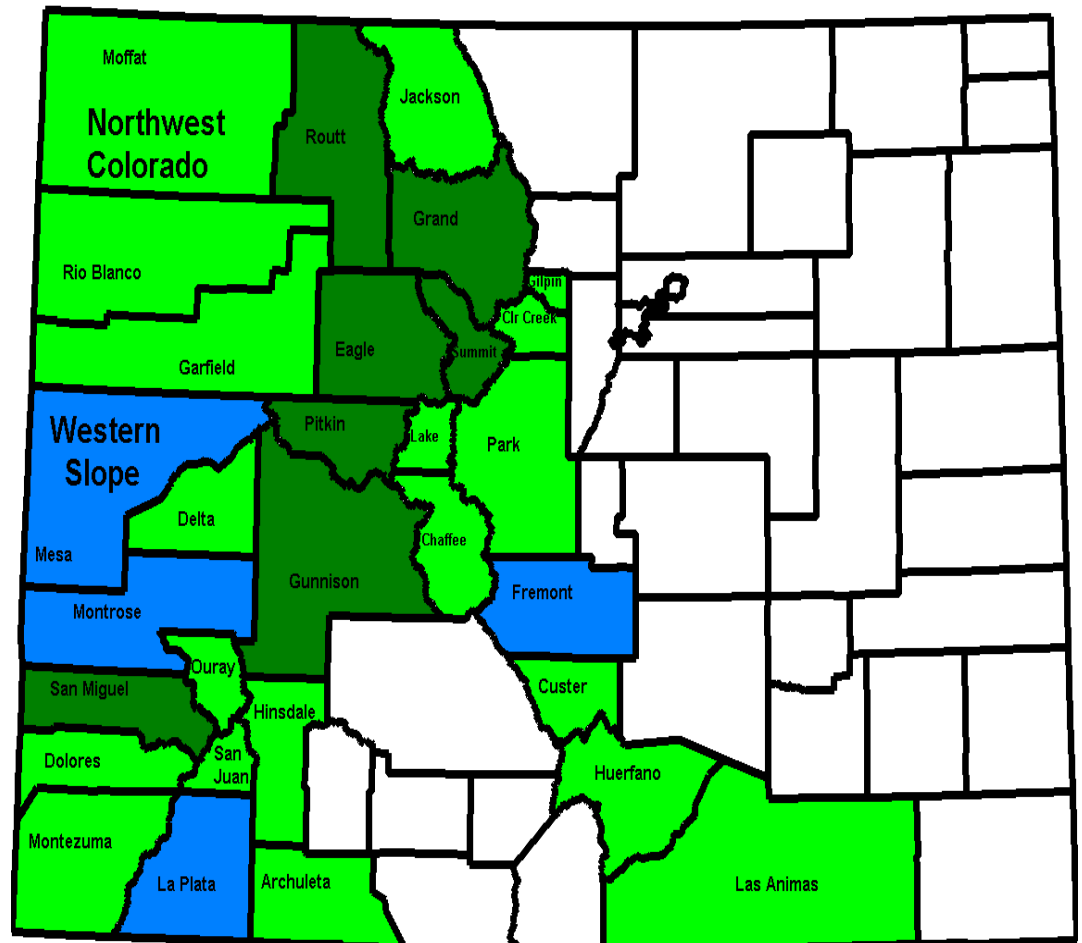
Tourism esp. second homes;
problems of affordable
housing for workers.

Scenic Counties

Traditionally, ag., mining,
some tourism. Now, second
homes; limited services.

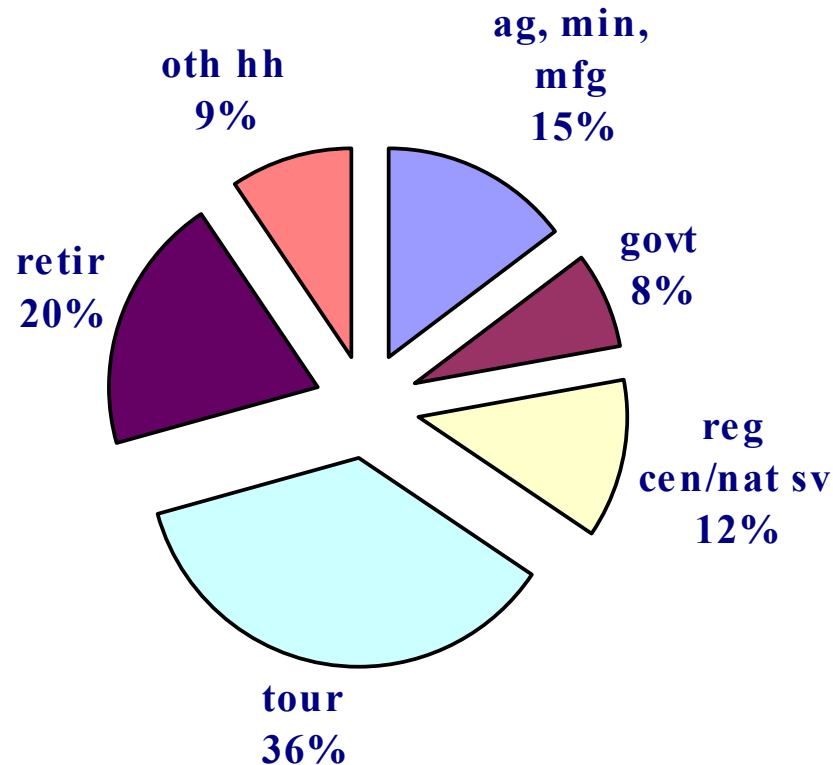
Urban Counties

Some industry, institution, +
tourism, retirees. Expect
strong growth as tourism,
retiree service center.



Mountain and western slope economies driven by tourism & retirees

MTNS./ WEST SLOPE DIRECT BASIC JOBS-2002



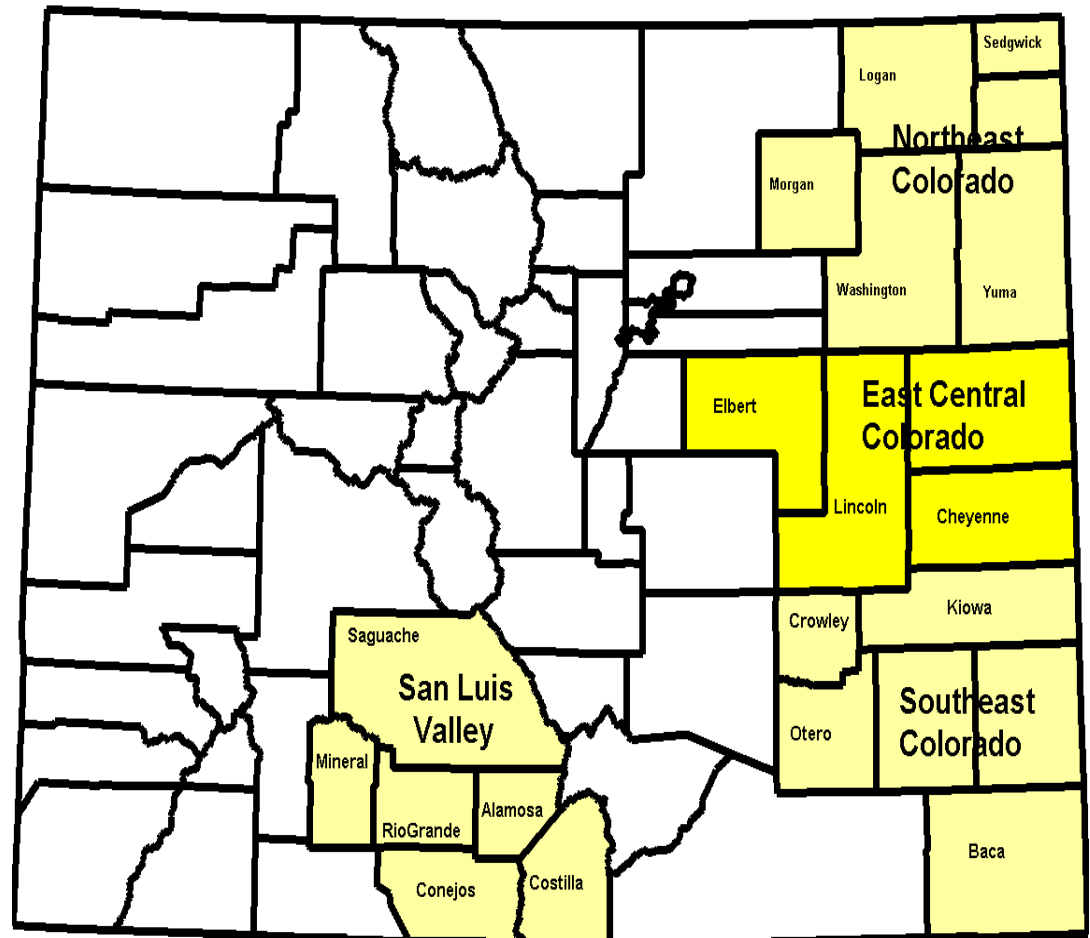
Agricultural Areas of the Eastern Plains and the San Luis Valley

**Northeast
Colorado**

**East Central
Colorado**

**Southeast
Colorado**

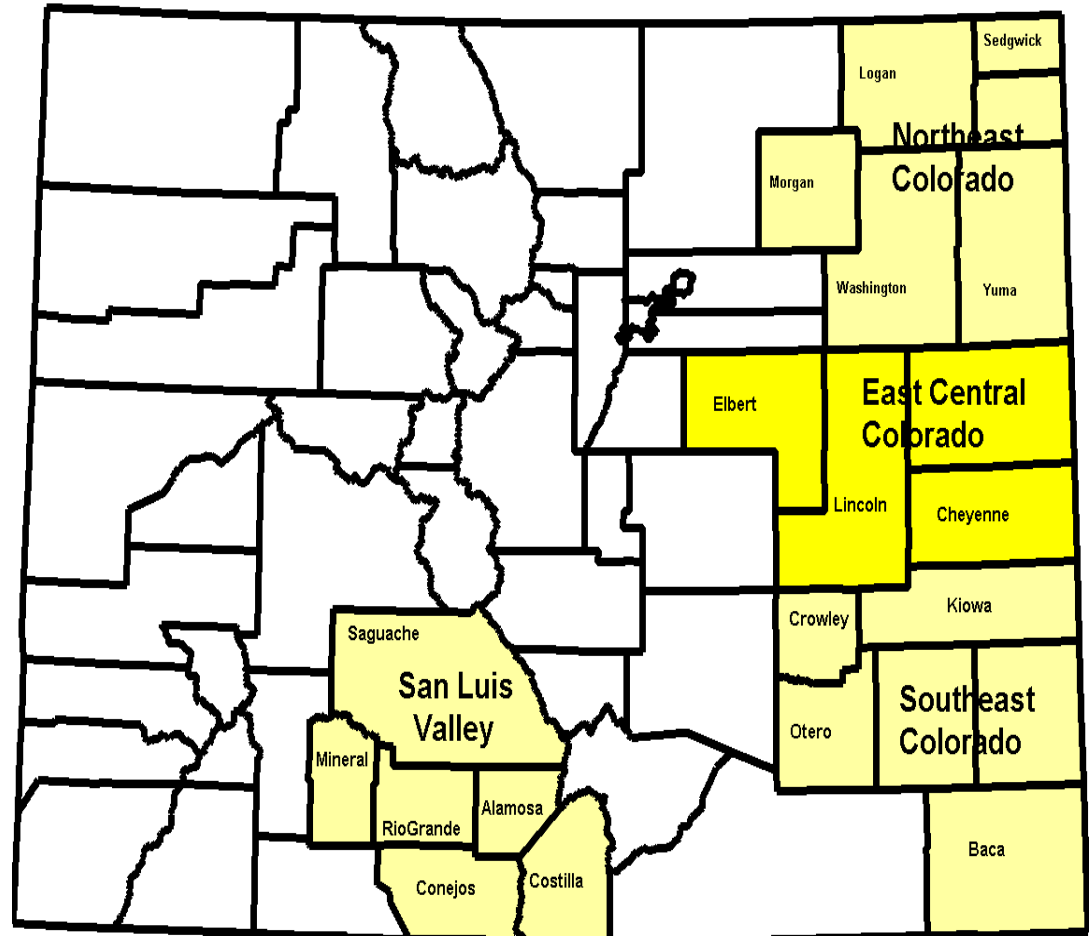
San Luis Valley



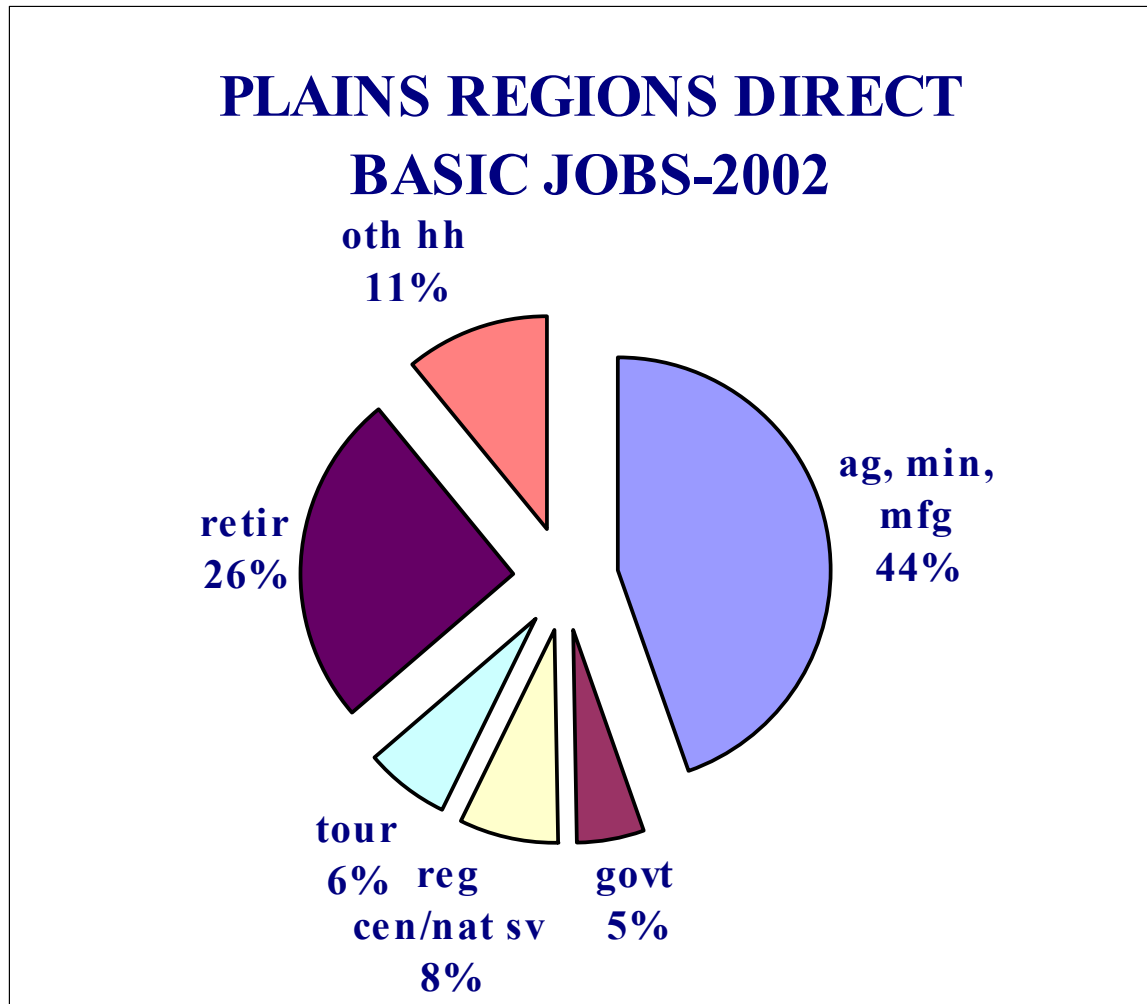
Agricultural Areas of the Eastern Plains and the San Luis Valley

Characterization:

Economy is primarily agricultural or agri. related. Also prisons. Little growth except near the Front Range. Lower household incomes. Older housing stock.

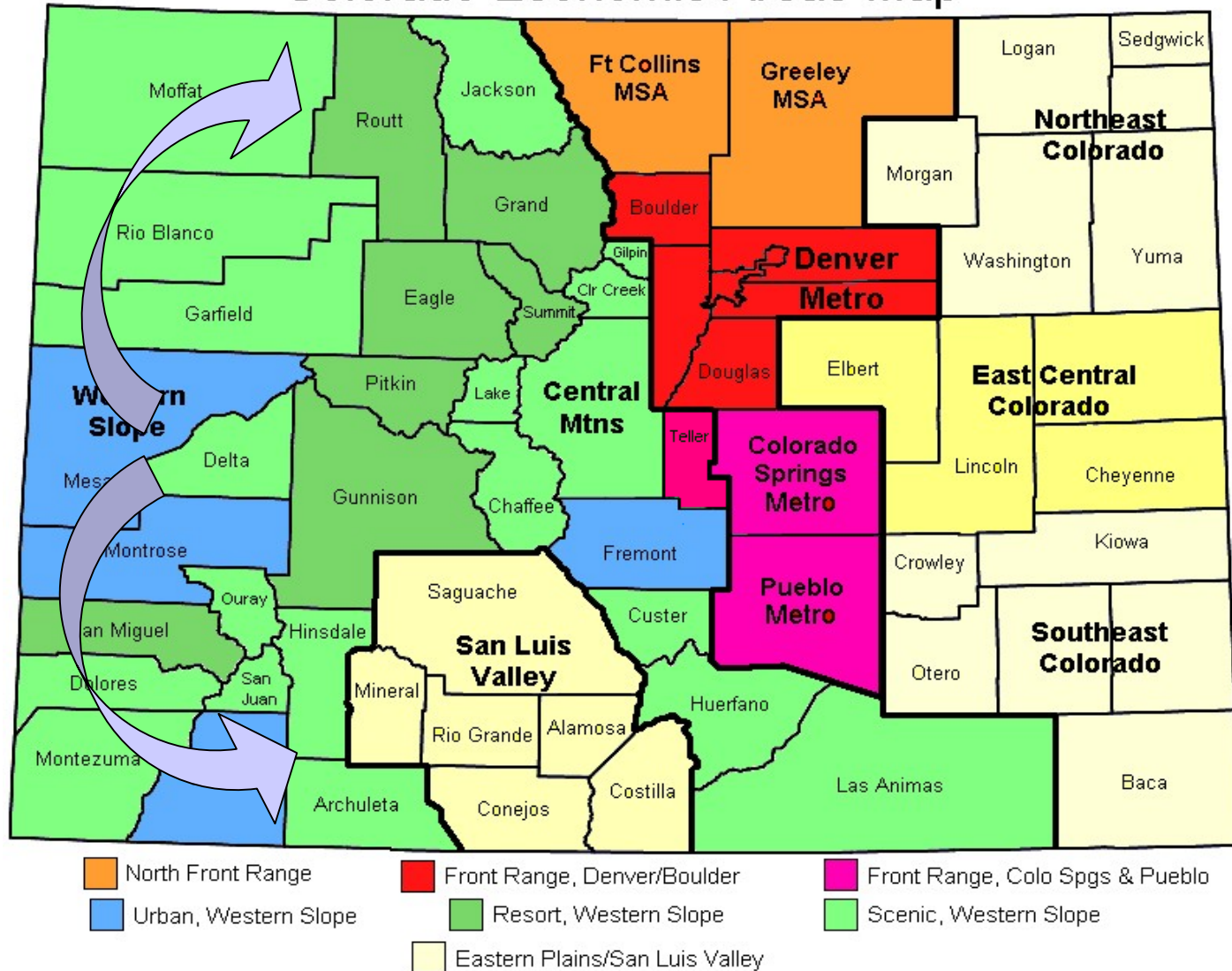


Agriculture is dominant industry in plains with retirees also important

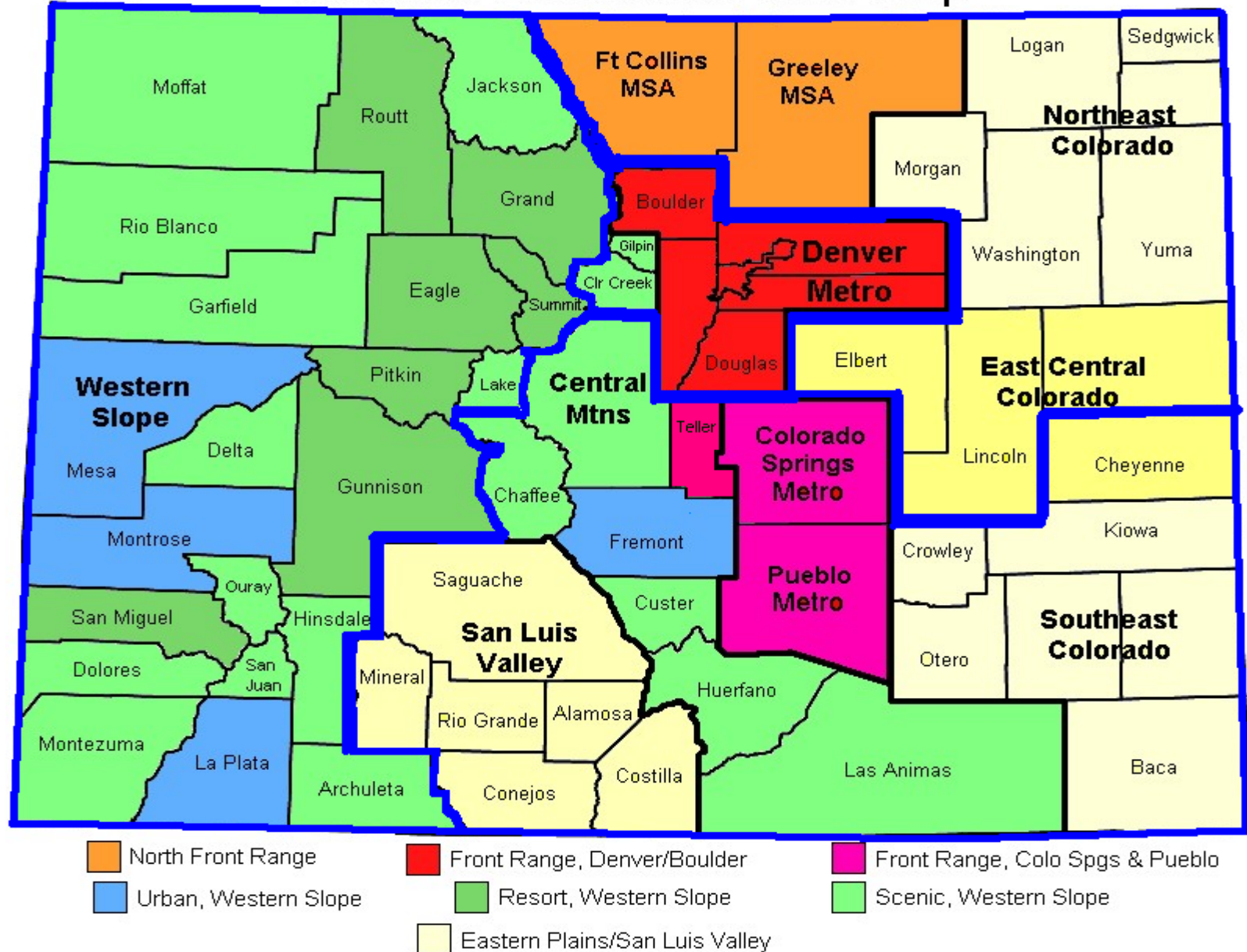


Energy

Colorado Economic Areas Map



Housing Roundtable Areas in Relation to Colorado Economic Areas Map



POPULATION

- **Colorado Population (2003) 4.6 million**
 - U.S. Population 291 million (Colorado 1.6% of U.S.)
- **Third fastest growing state in 1990s:**
2.75% vs. U.S. 1.2% (6th since 2000)
- **History.... Of boom and bust**
 - Originally
 - Periods (*see Migration-Components of Change on website*)
 - Recent “bust”, more tied to national recession

POPULATION

Population of the Sub-state Areas

- **Metropolitan Front Range** **3,750,000**
- **Western Slope & Central Mtns** **640,000**
- **Eastern Plains & San Luis Valley** **210,000**
- **Colorado – State Total** **4,600,000**

POPULATION

**Relating total population to the economy -
variables involved:**

jobs

multiple job holding

job holders by place of work

commuters

employed persons

unemployed persons

labor force

labor force participation rates

non-institutional population 16+

“true” population

population undercount

census-based population

POPULATION

Relating jobs . . . to population

Forecasting Worksheet:

	<u>2000</u>	<u>2005</u>	<u>2010</u>
jobs	34,000	37,000	45,000
commuters	800	1,000	3,000
employed persons	25,000	28,000	33,000
labor force part.	72%	71%	69%
population	43,000	51,000	63,000

POPULATION

Demographic forecasting model

- Survives age-gender population cohorts from one year to the next.
- Has women of child-bearing age give birth to children according to age-specific fertility rates.
- Includes several types of migration.

POPULATION

REGIONS	POPULATION FORECASTS				Annual % Change		
	2000	2003	2006	2010	00-03	03-06	06-10
COLORADO	4,339,000	4,586,000	4,783,000	5,149,000	1.9%	1.4%	1.9%
Front Range	3,539,000	3,747,000	3,898,000	4,184,000	1.9%	1.3%	1.8%
Western Slope	468,000	496,000	528,000	579,000	2.0%	2.1%	2.3%
Central Mountains	126,000	131,000	138,000	154,000	1.3%	1.9%	2.8%
San Luis Valley	46,000	47,000	49,000	51,000	1.0%	1.1%	1.1%
Eastern Plains	159,000	163,000	168,000	177,000	0.9%	1.0%	1.4%

**Data Available from the Demography Office
on . . . **POPULATION**
www.dola.colorado.gov/demog**

- **Population Totals by county and municipality**
- **Population by Age and Gender by county, 1990 – 2030**
- **Components of Change:**
 - **Natural increase: births – deaths**
 - **Migration**
- **Race and Hispanic Origin**

HOUSEHOLDS

- **2000 Census**
 - Family households
 - Married couple families
 - Single parent families
 - Nonfamily households
 - Living alone
 - Living with other adults
- **Demography Office / Housing Division**
 - Number of adults: 1, 2 or more
 - Age of householder: 16-24, 25-44, 45-64, 65 & over
 - Children: none, 1 or more

HOUSEHOLDS

Method of Forecasting

Current:

- household participations rates by age and gender
x population by age and gender

Future addition:

- distinguish between worker and non-worker households
 - Tie worker household members to jobs by industry / occupation
 - Separately forecast non-worker households
 - Evaluate results against current method

HOUSEHOLDS

Type of Household	Colorado Household Forecasts			avg annual % chg	
	2000	2003	2006	00-03	03-06
Total Households	3,341,000	3,542,000	3,700,000	2.0%	1.1%
More than one adult with children	1,338,000	1,428,000	1,508,000	2.2%	1.4%
More than one adult with no children	952,000	1,004,000	1,038,000	1.8%	0.8%
One adult with children	168,000	176,000	181,000	1.6%	0.6%
One adult with no children	883,000	933,000	973,000	1.9%	1.1%

Households by Type by Sub-state Area

Region	Type of Household	Household Forecasts			avg annual % chg	
		2000	2003	2006	00-03	03-06
Front Range						
	Total Households	2,760,000	2,922,000	3,045,000	1.9%	1.0%
	More than one adult with children	1,103,000	1,178,000	1,241,000	2.2%	1.3%
	More than one adult with no child	776,000	815,000	838,000	1.6%	0.7%
	One adult with children	140,000	147,000	150,000	1.6%	0.5%
	One adult with no children	740,000	782,000	815,000	1.9%	1.0%
Western Slope & Central Mountains						
	Total Households	426,000	459,000	487,494	2.5%	1.5%
	More than one adult with children	178,000	191,000	204,000	2.4%	1.7%
	More than one adult with no child	123,000	134,000	142,000	2.9%	1.5%
	One adult with children	20,000	21,000	23,000	1.6%	2.3%
	One adult with no children	105,000	112,000	119,000	2.2%	1.5%
Eastern Plains & San Luis Valley						
	Total Households	155,000	161,000	168,000	1.3%	1.1%
	More than one adult with children	58,000	60,000	63,000	1.1%	1.2%
	More than one adult with no child	52,000	55,000	57,000	1.9%	0.9%
	One adult with children	8,000	8,000	8,000	0.0%	0.0%
	One adult with no children	37,000	38,000	40,000	0.9%	1.3%

**Data Available from the Demography Office
on . . . HOUSEHOLDS**
www.dola.colorado.gov/demog

- **Households by type, 2000 Census by block or block group**
- **Total households, estimate 1999 – 2003.**
- **Households and persons by household type (Census categories), 2000 – 2030.**
- **Households by type (CBEF, CDOH), 2000 – 2006.**

HOUSEHOLD INCOME

Method of Forecasting

- Create household income distributions by type and region from data collected in the 2000 census.
- Increase the number of households in each income group by the same percent as the whole.
- Move the median in accordance with changes in per-capita income as reported by U. S. BEA.
- Adjust the distributions based on knowledge of changes in the economy and the workforce and on administrative records, e.g., welfare enrollees.

HOUSEHOLD INCOME

Type of Household	Median Household Income			avg annual % chg	
	2000	2003	2006	00-03	03-06
All Households	\$51,000	\$53,000	\$57,000	1.0%	2.2%
More than one adult with children	\$63,000	\$65,000	\$71,000	0.9%	2.1%
More than one adult with no children	\$65,000	\$67,000	\$72,000	0.6%	1.9%
One adult with children	\$28,000	\$29,000	\$31,000	0.9%	2.0%
One adult with no children	\$30,000	\$31,000	\$34,000	1.0%	2.0%

Household Income by Sub-State Area

Region	Household Type	Median Household Income			Annual % Chg.	
		2000	2003	2006	00-03	03-06
Front Range						
	All Households	\$48,000	\$49,000	\$54,000	0.7%	2.5%
	More than one adult with children	59,000	61,000	66,000	1.1	2.7
	More than one adult with no children	61,000	62,000	68,000	0.5	3.1
	One adult with children	26,000	26,000	29,000	0.0	3.7
	One adult with no children	27,000	28,000	30,000	1.2	2.3
Western Slope						
	All Households	\$50,000	\$52,000	\$57,000	1.3%	2.3%
	More than one adult with children	61,000	63,000	68,000	1.1	2.6
	More than one adult with no children	63,000	65,000	70,000	1.0	2.5
	One adult with children	28,000	29,000	31,000	1.2	2.2
	One adult with no children	28,000	29,000	32,000	1.2	3.3
Eastern Plains						
	All Households	\$36,000	\$39,000	\$41,000	2.7%	1.3%
	More than one adult with children	42,000	46,000	48,000	3.1	1.4
	More than one adult with no children	45,000	50,000	52,000	3.6	1.3
	One adult with children	20,000	22,000	22,000	3.2	0.0
	One adult with no children	19,000	21,000	22,000	3.4	1.6

Data Available from the Division of Housing
on . . **HOUSEHOLD INCOME**
www.dola.colorado.gov/housing

- **Number of households . . .**

by 10 income groups

for each of 16 household types

for 14 planning regions.

HOUSING

Relating population and households to HOUSING -

POPULATION

Group Quarter Population

Household Population

HOUSEHOLDS

by Type

by Household Income

HOUSING

Group Quarters

Housing Units

Household Use

Occupied / Vacant

Seasonal Use

HOUSING

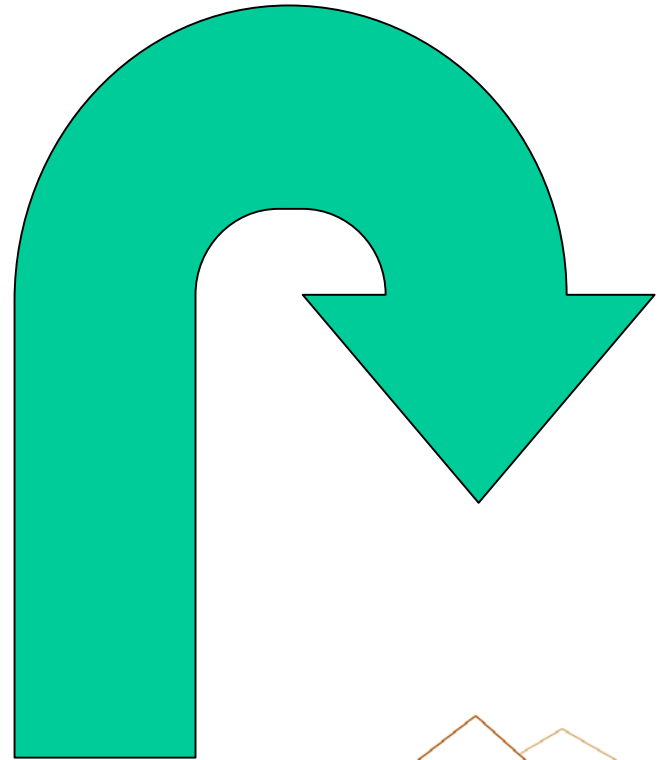
Building Block of Population Data

Past

Present

Future

- The Economy
- The Labor Market
- POPULATION
- Living Arrangements
- Household Income
- HOUSING UNITS
- Maps



HOUSING

Relating jobs . . . to population . . . to housing

Forecasting Worksheet: Eagle County – Alt #1

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2020</u>
jobs	34,000	37,000	45,000	65,000
commuters	800	1,000	3,000	9,000
employed persons	25,000	28,000	33,000	44,000
population	43,000	51,000	63,000	92,000
households	15,000	18,000	22,000	32,000
housing units	25,000	29,000	36,000	51,000

HOUSING

Relating jobs . . . to population . . . to housing

Forecasting Worksheet: Eagle County – Alt #2

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2020</u>
jobs	34,000	37,000	45,000	65,000
commuters	800	1,000	6,000	18 ,000
employed persons	25,000	27,000	30,000	35,000
population	43,000	49,500	57,000	73,000
households	15,000	17,300	19,900	25,500
housing units	25,000	29,000	36,000	51,000

Data Available from the Demography Office
on . . . **HOUSING**
www.dola.colorado.gov/demog

- **2000 Census** - Numerous characteristics by block:
occupancy, units in structure, tenure, value, mortgage status, owner costs, gross rent, costs/rent as % of income year structure build, rooms, heating fuel, vehicles, other.
- **New housing units:** building permits, certificates of occupancy by place by place, 2001 – 2003.

Data Available from the Demography Office
on . . . **PROFILES**
www.dola.colorado.gov/demog

- County profiles: population, components of change, households, housing, labor force status, school enrollment.
- Census Profiles
 - Demographic
 - Social Characteristics
 - Economic Characteristics
 - Housing Characteristics